



Presentation | Mr Omar Siddique

Sustainable Urban Development, UNESCAP

Presentation | Mr Kumara Gamaralalage

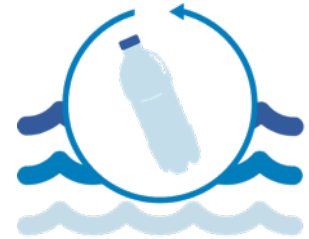
Institute for Global Environmental Strategies

Quiz! | Ms Janet Salem

Closing the Loop project team, UNESCAP

Inspire | Mr Andi Setianto

*Vice President of Product Management Division, PT Bank Negara
Indonesia Persero*



**CLOSING
THE LOOP**

2. What is Closing the Loop?

Launch | Connect | Present | Share | Inspire

14.00 – 14.40 on 23 July 2020



An Ocean of Plastic



A century of plastics: historical and projected plastic materials on the surface of the ocean

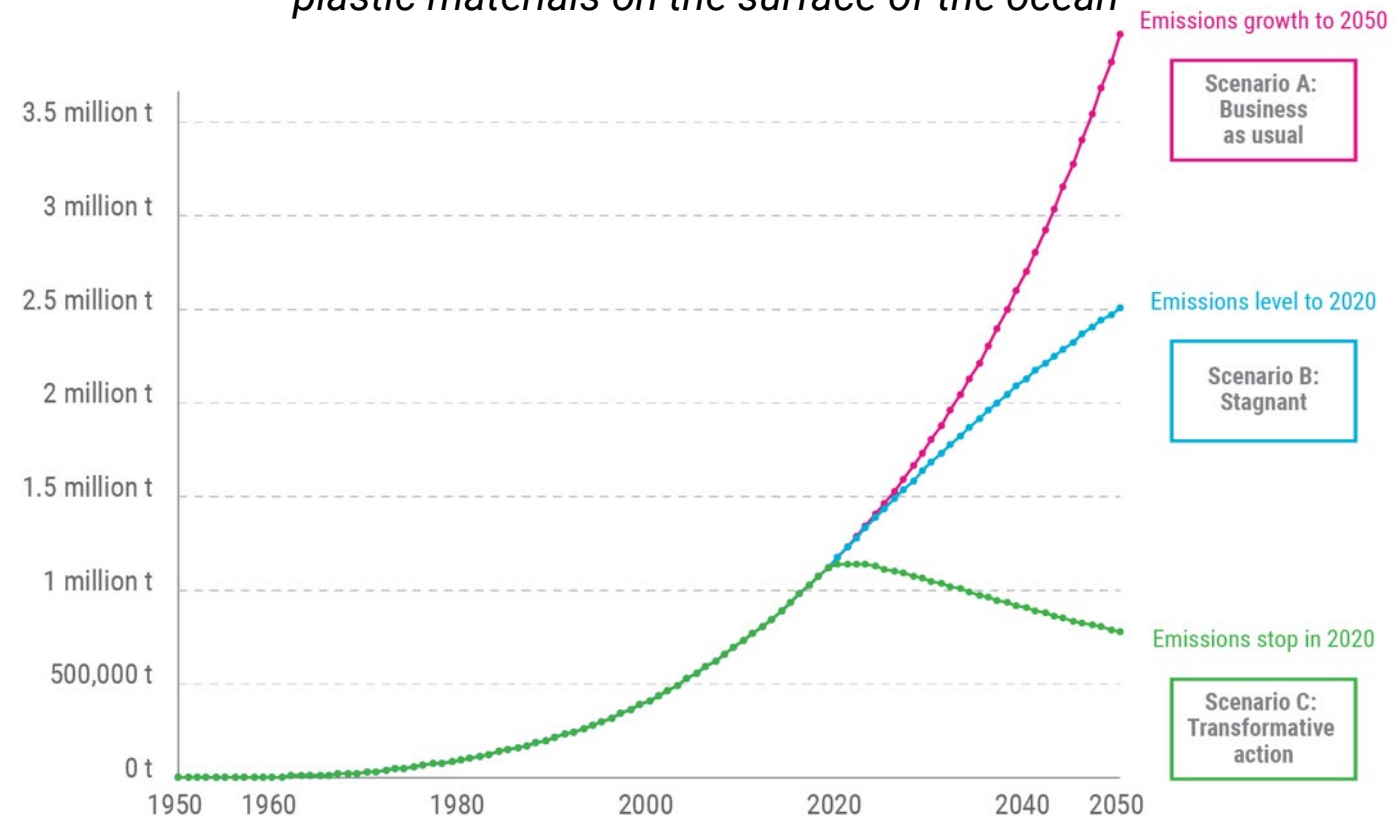
49.3% of the global plastic is produced in Asia-Pacific



38% of the global plastic is consumed in Asia-Pacific



Average of total mismanaged plastic waste in top six polluting countries in Asia-Pacific: **9.6%**



Source: Lebreton et al. (2019). A global mass budget for positively buoyant macroplastic debris in the ocean.



Challenges and Opportunities



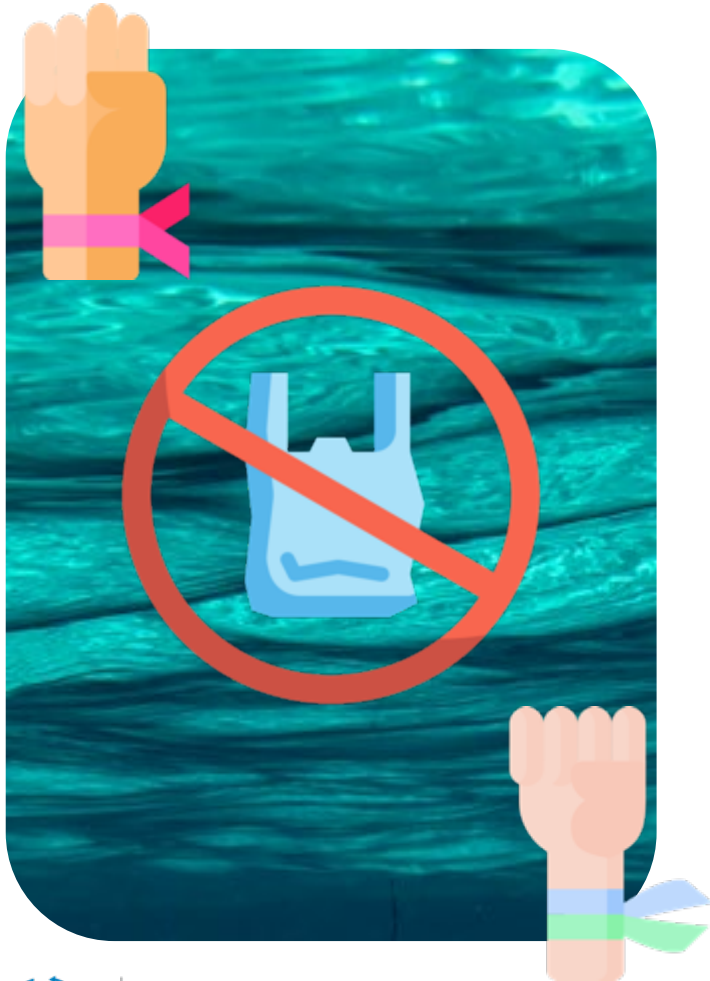
- The **circular economy** offers a holistic approach that minimizes resource use and prolongs resources that enter the economy.
- Society must **transition** to market-based, regulatory and with **local actions**.
- **Transformative ocean action** must occur in four key areas: governance, economy and finance, science and technology, and individual and collective action.



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Reducing Plastic Waste



- Local implementation of **international agreements** and **national policies** on marine pollution strengthens multi level governance.
- **River systems** coursing through several Asian cities contribute to most of the debris dumped in the ocean. Plastic pollution streamed through river basins highlights shared accountability across a system of cities and human settlements for leakage and protection
- Strengthening **municipal solid waste management systems** encourages shifts towards a circular waste economy
- **Regional cooperation**
 - exchanges information, data and good practices.
 - scales up city to city initiatives and innovation.
 - strengthens multi-stakeholder dialogue.



Closing the Loop



Cities in ASEAN use innovation and smart technology to monitor, access, and sustainably manage plastic waste



Cities develop policy and investment strategies to apply circular economy approaches on managing plastic



ASEAN Framework of Action
on Marine Debris

G20 Osaka Blue Ocean Vision 



National Marine Litter Action
Plans



Institutional Set Up



Project Teams

Danang

National Gov. - MONRE
Local Gov. - DONRE
Regional partner - IGES
Local focal point - IUCN

National government
LG (Int Coop; Env't)
IGES
Inst. of Tech Surabaya

Surabaya

Thammarat

Nakhon Si

National government
Local government
IGES
Urbanice

National government
Local government
IGES
Thaksin University

Regional Project Advisory Committee

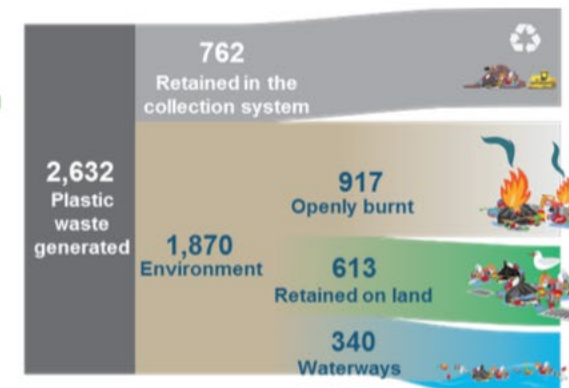
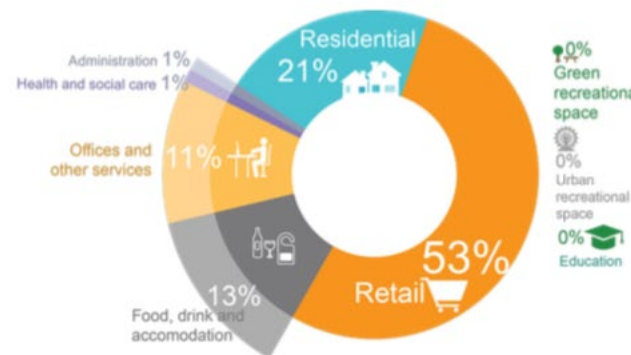
- ASEAN Secretariat
- Alliance to End Plastic Waste
- GIZ
- ERIA
- JICA
- Partnerships in Environmental Management for the Seas of East Asia (PEMSEA)
- Stockholm Environment Institute
- United Cities & Local Governments Asia and the Pacific (UCLG ASPAC)
- UN Environment
- UNESCAP (Chair)
- UN-Habitat
- USAID
- World Bank
- World Business Council for Sustainable Development
- WWF

Output 1: New baseline data on marine plastic pollution from cities



An initiative of
ISWA
International Solid Waste Association

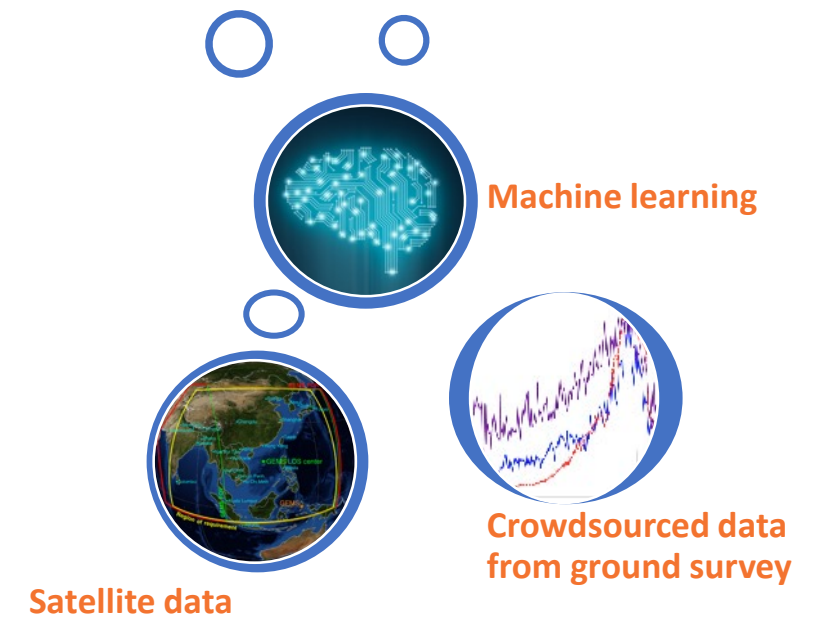
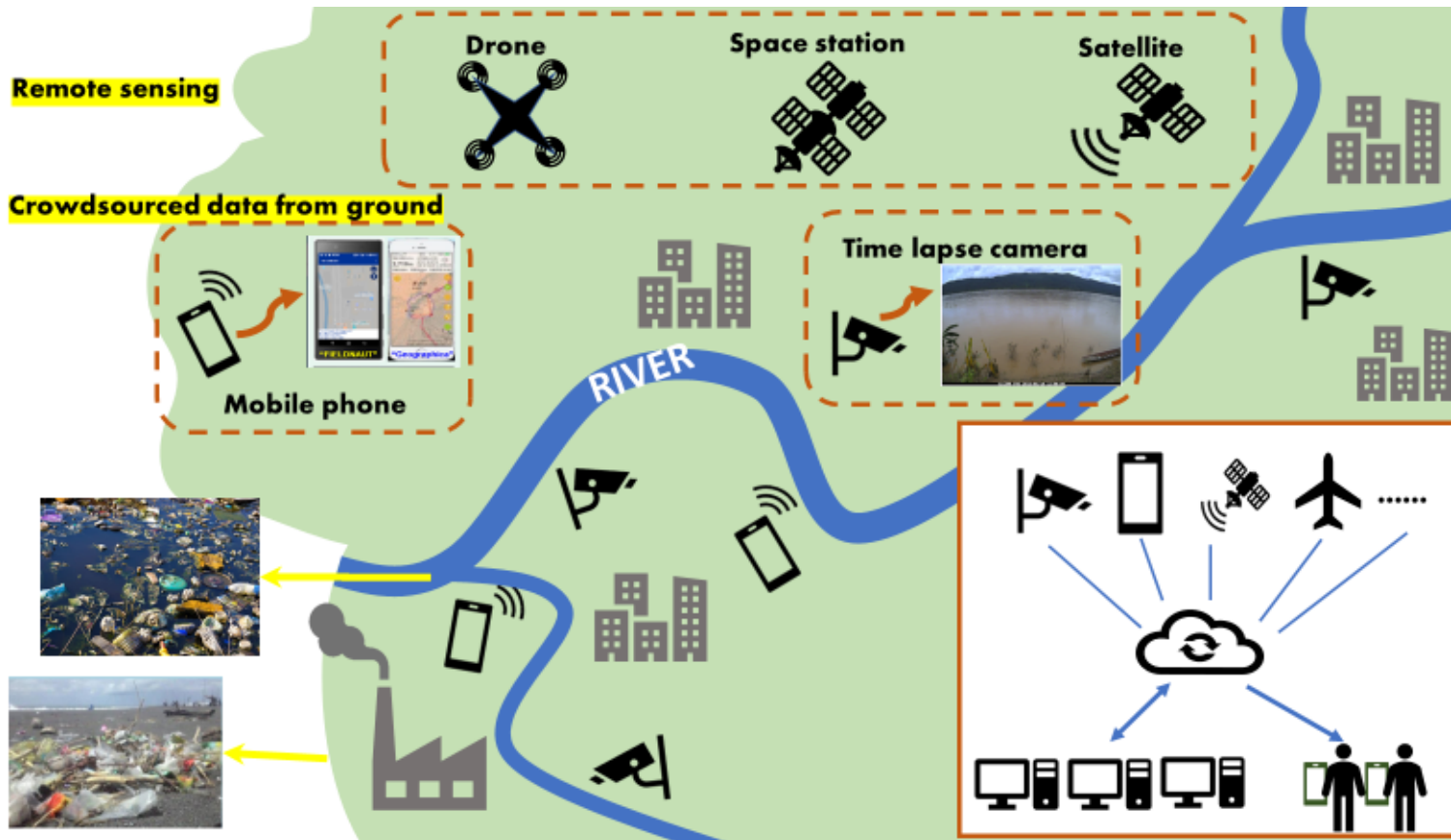
Sample outputs



- Provides a new scientific evidence base for cities to undertake a plastic waste assessment through an internationally comparable methodology.
- Allows cities to baseline in detail plastic waste generation, and its subsequent movement throughout the waste management system.
- Includes any locations and conditions where plastic may escape to the environment and become unmanaged.
- Quantification is used to provide area-specific targeted socio-technical interventions and policy actions.



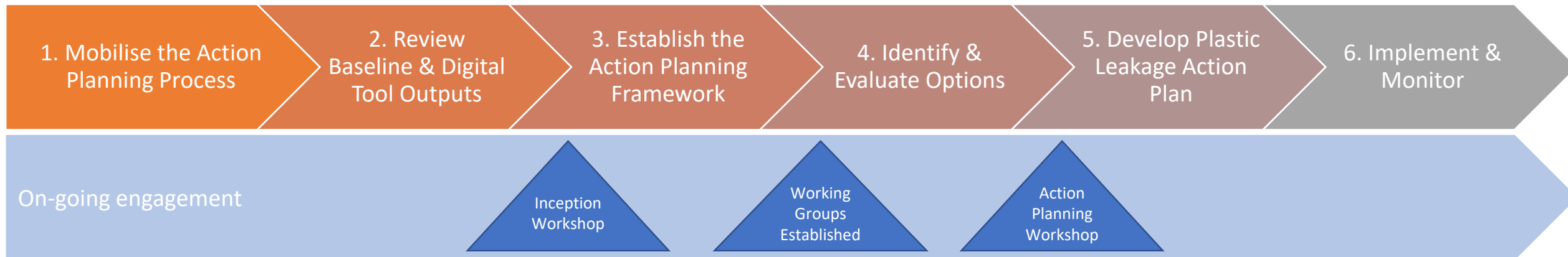
Output 2: Innovative remote sensing digital tool to track plastic waste pollution hot spots from 'source to sea'



Output 3: From evidence to action!

Our approach to City Action Planning involves 6 key steps:

- 1) Mobilise the Action Planning Process
- 2) Review Baseline & Digital Tool Outputs
- 3) Establish Action Planning Framework (& Inception Workshop)
- 4) Identify and Evaluate Options (& Establish Working Groups)
- 5) Develop Action Plan with SMART targets (& Action Planning Workshop)
- 6) Implement and Monitor (by the City with key stakeholders)





Thank you!



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<https://www.unescap.org/projects/closing-the-loop>